



Declaration of Performance

010-BEW-2020/01/14

Unique identification code of the product-type:

BEWiSynbra XPS 200, BEWiSynbra XPS 200PP

Intended use:

Thermal insulation for buildings

Manufacturer:

BEWi M-Plast Oy, P.O.Box 360 FI-06101 PORVOO, www.bewisynbra.com

System of AVCP:

AVCP 3

Harmonised standard:

EN 13164:2012 + A1:2015

Notified bodies:

Eurofins Expert Services (nb. 0809) and Vilnius Gediminas Technical University (nb. 1688)

Declared performance:

| | | | | |
|---|--|----------------------------|-----------------------------------|--|
| Essential characteristics | Performance | | | Harmonized technical specification EN 13164:2012 + A1:2015 |
| Reaction to fire | Reaction to fire | | F | |
| Water permeability | Long term water absorption after total immersion | | WL(T)0,7 | |
| | Long term water absorption after diffusion | | WD(V)2 | |
| Tolerances of length, width, squareness, flatness and thickness | | Nominal length or width mm | | |
| | Length or width mm | I or b ≤ 1500 mm | ± 8 | |
| | | I or b > 1500 mm | ± 10 | |
| | Squareness mm/m | I or b ≤ 1500 mm | 5 | |
| | | I or b > 1500 mm | 5 | |
| | Flatness mm/m | I or b ≤ 1500 mm | 6 | |
| | | I or b > 1500 mm | 6 | |
| Thickness tolerance | | | T1 | |
| Thermal resistance | Thickness | Thermal conductivity | Thermal resistance R _D | |
| | 30 | λ _D = 0,034 | 0,85 | |
| | 40 | λ _D = 0,035 | 1,1 | |
| | 50 | λ _D = 0,035 | 1,4 | |
| | 60 | λ _D = 0,035 | 1,7 | |
| | 70 | λ _D = 0,037 | 1,85 | |
| | 80 | λ _D = 0,037 | 2,15 | |
| | 100 | λ _D = 0,037 | 2,7 | |
| | 120 | λ _D = 0,037 | 3,2 | |
| Compressive strength | Compressive stress or strength | | CS(10\Y)200 | |
| Dimensional stability under specified temperature and humidity conditions | Durability characteristics | | DS(70,90) | |
| Durability of compressive strength against ageing and degradation | Compressive creep | | NPD | |
| | Freeze-thaw resistance | | FTCD2 | |

NPD = No Performance Determined

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Jouni Jokela, Production manager

Porvoo 14.01.2020



Jouni Jokela